BACON ACADEMY
2023-2024 PROGRAM OF STUDIES
Changes and Deletions

COURSE ENROLLMENT POLICIES:

Number of Courses Required For Full-Time Enrollment

The minimum number of credits required to be a full-time student is as follows. An exception will only be made for students whose 504 plan requires an uncredited, structured academic study period. ~~is 6.0 credits~~.

Grade 12: 6.5 credits
Grade 11: 7.0 credits
Grade 10: 7.0 credits
Grade 9: 8.0 credits

Seniors wishing to maintain full-time enrollment and take fewer than 6.5 ~~6.0~~ credits must meet the following criteria:

1. Students must be in good academic standing, on track for graduation, and have coursework that is so rigorous that it necessitates a reduction in credit load.
2. Students must have a disciplinary record that includes fewer than 2 detentions in the current/previous semester.
3. Students must receive written approval from his/her parent/caregiver and school counselor prior to requesting approval from administration.

Because of graduation requirements, priority will be given to upperclassmen if the size of the class necessitates adjustment. Students are prohibited from enrolling in two high schools simultaneously. If a student opts to register at a magnet, charter, private, vocational-technical, or agricultural school, they will do so on a full-time basis.

CHANGES IN COURSES:

Music

The Jazz component has been removed, and level 3 has been added.

(XXXX) CHAMBER/~~JAZZ~~ CHOIR
Level 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Teacher recommendation and audition (must be completed before course selection).
Chamber/Jazz Choir is an advanced singing group offered at Bacon Academy. The repertoire for the group includes compositions from the Renaissance through contemporary music, and has a strong ~~emphasis on Vocal Jazz.~~ It is an upper level choral-performing ensemble that meets according to block scheduling, with individual/sectional rehearsals scheduled as needed. Personal musicianship skills developed through participation in this ensemble include advanced singing techniques, music literacy,

music theory, ear training, and performance experience. Prior membership in a Bacon Academy choral ensemble is expected. Attendance is required at all rehearsals and performances as the Chamber/Jazz Choir performs and competes regularly in and out of school throughout the year. Students may be asked to attend extra rehearsals as needed, ~~weekend performances, and complete a Region audition.~~

(XXXX) CHAMBER/~~JAZZ~~ CHOIR
Level 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: Teacher recommendation and audition (must be completed before course selection).
Chamber/Jazz Choir is an advanced singing group offered at Bacon Academy. The repertoire for the group includes compositions from the Renaissance through contemporary music, and has a strong ~~emphasis on Vocal Jazz.~~ It is an upper level choral-performing ensemble that meets according to block scheduling, with individual/sectional rehearsals scheduled as needed. Personal musicianship skills developed through participation in this ensemble include advanced singing techniques, music literacy, music theory, ear training, and performance experience. Prior membership in a Bacon Academy choral ensemble is expected. Attendance is required at all rehearsals and performances as the Chamber/Jazz Choir performs and competes regularly in and out of school throughout the year. Students may be asked to attend extra rehearsals as needed, weekend performances, and complete a Region audition.

For this course, level 2 will be retained, with level 3 added.

(0905) CON BRIO CHOIR
Level 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: By teacher placement and audition (must be completed before course selection).
Con brio is a musical term meaning with spirit, or energetic. The Con Brio Choir is an advanced singing group and is open to sopranos and altos only. It is a performing ensemble that meets according to block scheduling with individual/sectional rehearsals scheduled as needed. Emphasis is on vocal production, sight singing, aural skills, as well as providing the opportunity to perform a wide range of styles. Ensemble skills that are developed include awareness of and sensitivity to ensemble tone quality, blend, balance, intonation, articulation, phrasing, dynamics, and style. Prior membership in a Bacon Academy choral ensemble is expected. Con Brio Choir performs regularly in and out of school throughout the year. These performances are a requirement of the class. Students may be asked to attend extra rehearsals as needed, ~~possible weekend performances, and complete a Region audition.~~

(XXXX) CON BRIO CHOIR
Level 3
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: By teacher placement and audition (must be completed before course selection).
Con brio is a musical term meaning with spirit, or energetic. The Con Brio Choir is an advanced singing group and is open to sopranos and altos only. It is a performing ensemble that meets according to block scheduling with individual/sectional rehearsals scheduled as needed. Emphasis is on vocal production, sight singing, aural skills, as well as providing the opportunity to perform a wide range of styles. Ensemble skills that are developed include awareness of and sensitivity to ensemble tone quality, blend, balance, intonation, articulation, phrasing, dynamics, and style. Prior membership in a Bacon Academy choral ensemble is expected. Con Brio Choir performs regularly in and out of school throughout the year. These performances are a requirement of the class. Students may be asked to attend extra rehearsals as needed, possible weekend performances,complete a Region audition, and participate in two festivals.

NEW COURSES:

Math Department

This is the next courses in the new math department sequence.

(0329) MATH 2
Level: 2
Credit: 1.0
Offering: Annually to grade 10
Prerequisite: Math 1
Math 2 is the next course in the curricular sequence following the completion of Math 1. Students will be challenged to engage in problem solving and to use a variety of mathematical methods and representations to solve problems involving systems of inequalities and quadratics, while building knowledge of the relationships among geometric elements. Students will be required to effectively analyze and evaluate information from a variety of sources using inductive and deductive reasoning, and to communicate clearly, concisely, and persuasively using correct geometric vocabulary and notation. The course will cover the topics of systems of inequalities, quadratic equations, triangle geometry, circles, probability, and an introduction to statistics.

(0305) MATH 1 ACCELERATED
Level: 3
Credit: 1.0
Offering: Annually to grade 9
Prerequisite: Placement will be determined by teachers using a variety of student achievement data.
Math 1 is a robust course designed to be the foundation for a deep understanding of mathematics and is a continuation of the study of Algebra. Students will be challenged to engage in problem solving and to use a variety of mathematical methods and representations to solve problems involving linear and non-linear applications. Students will analyze and evaluate information and will be required to demonstrate an ability to communicate clearly and concisely using appropriate mathematical vocabulary and notation as part of their problem solving. The course will cover the topics of linear functions, systems of functions, algebraic geometry, and introduces non-linear functions. This course will go more in depth into topics and will include two additional units.

The course below is a new addition to the department in an effort to support students who need more reinforcement on specific concepts as part of our SRBI program.It is to align with the Reading Skills class where the students earn credit for the support.

(XXXX) Math Strategies
Level:2
Credit: 0.5 / 0.25
Offering: Each Semester to grades 9-10
Prerequisite: Placement will be determined by teachers using a variety of student achievement data.
This course is intended to prepare scholars for success by reinforcing concepts and skills needed in high school mathematics. Instruction will include pre-assessing, pre-teaching, re-teaching, and reinforcing

math skills and concepts. Scholars will also develop and self-regulate personal study and organizational skills imperative for academic success. The ultimate goal is to prepare students to be independent and successful in their math course.

DELETED FROM THE PROGRAM OF STUDIES:

The language below has been omitted and the new description for the math sequence has been added:

Math

COMMON CORE: The Bacon Academy Math department is in the process of revising curriculum to align with the Common Core State Standards. The Common Core Math standards align the curriculum from K-12 and include both practice and curriculum standards. The 8 practice standards expected of students are as follows: 1.) Make sense of problems and persevere in solving them. 2.) Reason abstractly and quantitatively. 3.) Construct viable arguments and critique the reasoning of others. 4.) Model with mathematics 5.) Use appropriate tools strategically. 6.) Attend to precision. 7.) Look for and make use of structure. 8.) Look for and express regularity in repeated reasoning. More information on the Common Core Math curriculum standards can be found at www.corestandards.org.

ADDITIONAL VERBIAGE ADDED TO THE PROGRAM OF STUDIES:

Math

Introduction Paragraph:

Four credits in Mathematics are required for graduation. Students will take a math course for each of their four years of high school.

Old Language:

Many colleges, including the Connecticut State Universities require a minimum of Algebra 1, Geometry, Algebra II and a 4th year of an Algebra intensive course for admission.

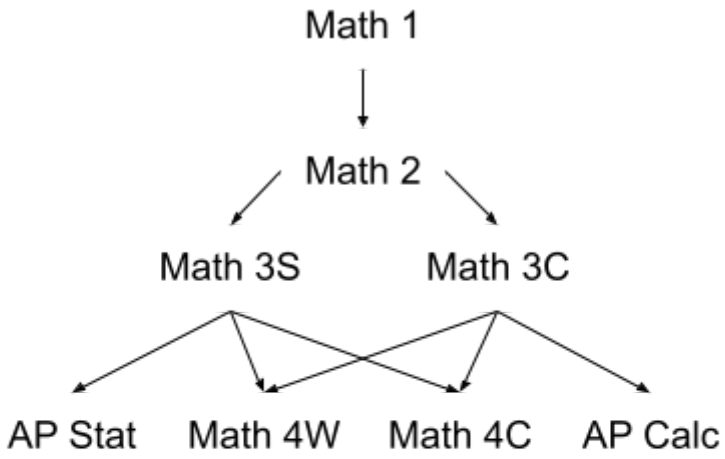
New Language:

The following is the recommended Math course sequence to meet the required four credits in Math for graduation. Computer Electives may not be used to fulfill a math credit requirement.

AP Computer Science will be offered to students in grades 11 and 12 in relation to completion of prerequisite courses.

RECOMMENDED COURSE SEQUENCES

(For Students graduating during the 2025-2026 school year or after)



Note:

- Students who have completed Math 2 will have the option of taking courses based on their interest and post secondary plans.
- Those students that have taken Math 3S and wishing to enroll in AP Calculus will need to complete the additional units of study from the Math 3C course.

9th	Math 1
	|
10th	Math 2
	|
11th	Math 3S OR Math 3C
	|
12th	Math 4C OR Math 4W

9th	Math 1
	|
10th	Math 2
	|
11th	Math 3S OR Math 3C
	|
12th	AP® Calculus (0353/0354)

Additional 12th grade electives: - Discrete Math (0335)
- AP® Statistics (0355)

Additional 11th grade electives: ~~- AP® Statistics (0355)~~
- AP® Computer Science (0357)
- Discrete Math (0335)

Additional 12th grade electives:	- Discrete Math (0335) - AP® Computer Science (0357) - AP® Statistics (0355)
Math Electives for all grades:	(0352) Computer Programming 1A (0356) Computer Programming 1B (0362) Computer Programming 2 ~~(0357) AP® Computer Science~~ (0364) Computer Programming 4

No change to curriculum, the course description has been revised to align with the verbiage on the College Board.

Science

Old Language: (0427) 🔓 A.P. BIOLOGY
Level: 4

Credit: 1.5

Offering: Annually to grades 10-12

Prerequisite: A grade of 85 or better in Level 3 Energy Explorations or a grade of 80 or better in Chemistry is recommended.

Advanced Placement Biology is also open to Level 2 Juniors/Seniors with a grade of 90 or better in Level 2 Biology and concurrent enrollment in or completion of Chemistry. A teacher recommendation may be substituted for a student not meeting prerequisites. AP Biology is intensive in its approach and extensive in its coverage of cytology, biochemistry, genetics, evolution, organismal physiology and ecology. AP laboratory investigations implement curriculum-mandated concepts using the most readily available technology. Students are expected to assimilate information beyond syllabi assignments by applying a range of communication techniques. Written assignments will feature detailed laboratory reports and concept papers. Students are recommended to take the AP National exam in May. If successfully passed, one year of college level biology credit may be secured by the student and can be transferred to many colleges and universities throughout the United States and abroad.

New Language:(0427) 🔓 AP® BIOLOGY
Level: 4
Credit: 1.5
Offering: Annually to grades 10-12
Prerequisite: A grade of 85 or better in Level 3 Energy Explorations.
A teacher recommendation may be substituted for a student not meeting prerequisites. Advanced Placement Biology is also open to Juniors/Seniors as a second year of biology. AP Biology is intensive in its approach and extensive in its coverage of cytology, biochemistry, genetics, evolution, organismal physiology and ecology. AP laboratory investigations implement curriculum-mandated concepts using the most readily available technology. Students are expected to assimilate information beyond syllabi assignments by applying a range of communication techniques. Written assignments will feature detailed laboratory reports and concept papers. Students are recommended to take the AP National exam in May. If successfully passed, one year of college level biology credit may be secured by the student and can be transferred to many colleges and universities throughout the United States and abroad.

There is a change in language from required to recommended in the course description below.

(0470) 🔓 AP® ENVIRONMENTAL SCIENCE
Level: 4
Credit: 1.0 (College credits earned through Uconn-ECE or AP® test)
Offering: Annually to grades 11-12
Prerequisite: Successful completion of Energy Explorations as well as a grade of 80 or better in Level 3 Biology or AP Biology. Enrollment in or completion of Chemistry is recommended. Level 2 juniors and/or seniors may also take the course; however, a grade of 90 or better in level 2 Biology and enrollment in or completion of Chemistry is recommended. A teacher recommendation may be substituted for a student not meeting prerequisites.
Advanced Placement Environmental Science (APES) is a University of Connecticut Early College Experience (ECE) program which provides an opportunity for highly motivated students to take a first-year university course (UCONN NRME 1000- Environmental Science). APES offers college credit for those who successfully complete the course with a 75 or better (3.0 college credits issued by the University of Connecticut). Students who fail to attain at least a 75 are still eligible to receive high school credit upon successful completion of the course. This rigorous course also prepares students to take the AP Environmental Science National Examination which may allow for placement in and/or credit equivalency for certain levels of college science. Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

World Language

The department updated the course title to reflect more cultural sensitivity.

(XXXX) HISPANIC CULTURE THROUGH CINEMA *(Formerly Spanish Culture Through Cinema)*
Level: 2
Credit: 0.5
Offering: Fall, Spring to grades 11-12
Prerequisite: Successful completion of Spanish III
Lights! Camera! Action! In this course, students will explore cultural themes through Hispanic film. By examining the influence of cultural perspectives, students will gain insight and share their opinions and views on historical and contemporary issues of the Spanish-speaking world. This course will focus on comprehension and communication, asking students to apply their skills from years 1 through 3. Students are evaluated based on their ability to use presentational and interpretive skills to communicate thoughts and opinions in conversational and written Spanish. Consistent student participation in formative tasks is critical to student success.

The addition to the Seal of Biliteracy is to align this recognition with that of the National Honor Society. Both are accomplishments reflected on the transcript.

Seal of Biliteracy

The Seal of Biliteracy is an award that recognizes students who have studied and attained proficiency in English and at least one other language by high school graduation. The Seal of Biliteracy encourages

students to pursue biliteracy, honors the language skills and cultural knowledge students attain, and can be evidence of skills that are attractive to future employers and college admissions offices. At Bacon Academy, communicating effectively in more than one language helps students show Bacon 10 #1, and knowledge of another culture apart from their own culture helps students demonstrate Bacon 10 #5. Students are encouraged to pursue the Seal of Biliteracy in Spanish or French through World Language courses or through a heritage language spoken outside of school. Students demonstrate their proficiency in English through completion of English Language Arts graduation requirements. Proficiency in a language other than English is attained by receiving an Intermediate Mid or higher on an external assessment that is offered at Bacon Academy in the spring. Students may choose to take this assessment during their junior year at Bacon Academy. Both the high school diploma and transcript will reflect attainment of Seal of Biliteracy after requirements are completed. These students will be recognized at our graduation ceremony wearing a golden chord to celebrate their accomplishment.

YEARBOOK

Updated language to accurately reflect course components.

Old Language: (0731) YEARBOOK PRODUCTION
Level: 2
Credit: 1.0
Offering: Annually to grades 9-12
Prerequisite: None
Yearbook is a year-long elective course that culminates in the production of the Bacon Academy yearbook, The Baconia. Students enrolled in this class will develop skills in graphic design, design software (Adobe Photoshop, and InDesign), digital photography, digital design, journalistic writing techniques, principles of advertising, leadership, and cooperative teaming.

New Language: (0731) YEARBOOK PRODUCTION
Level: 2
Credit: 1.0
Offering: Annually to grades 10-12
Prerequisite: None
Yearbook is a year-long elective course that culminates in the production of the Bacon Academy yearbook, The Baconia. Students enrolled in this class will develop employability skills as well as aptitude in digital photography, digital design, journalistic writing techniques, principles of advertising, leadership, and cooperative teaming. As part of this course,students will be required to conduct business outside normal class hours including going into the community to network with local businesses. Priority will be given to students who have not yet taken the course however, students may repeat the class with approval.

Graduation Requirements

Below highlighted are the additional course offerings to fulfill STEM Elective and Humanities elective requirements.

Courses that qualify as STEM Electives:

0804 - Apparel and Furnishings
0805 - Interior Design
0811 - Culinary Arts I
0812 - Culinary Arts II
0820 - Bake Shop I
0819 - Bake Shop II
0821 - Academy Cafe
0714 - Video Production 1
0736 - Video Productions 2
0718 - Pre-Engineering
0724 - Computer Information Technology
0725 - Technical Repair
0753 - Manufacturing 1
0726 - Manufacturing 2
0729 - Automotive Technology
0731 - Yearbook Production
0754 - Woods 1
0755 - Woods 2
0757 - Manufacturing Design & Production
0774 - Architectural Engineering
0775 - Engineering 1
0776 - Engineering 2
0739 - Advanced Graphics
0777 - Graphics I
0778 - Digital Photography
0352 - Computer Programming 1A
0356 - Computer Programming 1B
0362 - Computer Programming 2
0364 - Computer Programming 4
0357 - AP Computer Science
0466 - AP Environmental Science
0468 - Environmental Science
0446 - Forensics
0454/0456 - Human Anatomy/Physiology
0458 - Marine Science
0459 - STEM Physics
0455 - Science & Alternative Energy Technology

****Any math or science classes taken beyond the required credits (4 math, 3 science) can be counted toward the 2 required elective STEM credits.****

Courses that qualify as Humanities Electives:

0149 - Creative Writing

0150 - Public Speaking
0157 - Reading Skills
0188 - Images of Women
0168 - Science Fiction
0193 - Authors & Activism
0259 - Economics
0242 - Psychology
0244 - Sociology
0246 - Anthropology
0234 - African American/Black and Puerto Rican/Latino Studies
0832 - Early Childhood
0833 - Middle Childhood
0835 - Lifespan Development University of Connecticut
0843 - The Preschooler
****Any social studies classes taken beyond the required credits (3.5 including Civics) can be counted toward the .5 required elective Humanities credit.****
****Any world language classes taken beyond the required 1.0 credit can be counted toward the .5 required elective Humanities credit.****

Additional language to clarify tuition processes is included below:

Norwich Tuition Students

The following regulation outlines the application process for Norwich students seeking to attend Bacon Academy beyond, but not in conflict with, the steps outlined in the Agreement between Norwich and Colchester Public Schools.

All Norwich students are eligible to attend Bacon Academy. Any Norwich student who wishes to attend Bacon Academy as a tuition student should complete a lottery application in December of the year prior to enrollment. Individuals selected through the lottery will be notified in January and commitment responses will be due by the end of January. Students who wish to enroll in Bacon Academy outside of the lottery process will be accepted on a rolling enrollment basis as long as spaces remain available. Norwich students expelled from Bacon Academy shall not be permitted to re-enroll.

Math

Old Language:
CALCULATOR POLICY: Students in level 2, 3, & AP® classes are required to provide their own graphing calculators. Classroom sets will be used for level 1 classes. TI-83 plus or TI-84 are strongly recommended models since instruction is based upon these models. Calculators will be required throughout the school year to complete both in-class and homework assignments.

New Language:
CALCULATOR POLICY: Calculators will be required throughout the school year to complete both in-class and homework assignments. Students in level 2, 3, & AP® classes are required to provide their

own graphing calculators.TI-83 plus or TI-84 are strongly recommended models since instruction is based upon these models.

The language alteration will permit the teacher more flexibility in program offerings.

Old Language:

(0352) COMPUTER PROGRAMMING 1A

Level: 2

Credit: 0.5

Offering: Fall to grades 9-12

Prerequisite: None

This course is designed to introduce skills that are used for computer programming. Students will be encouraged to effectively analyze and evaluate information to solve problems and will be required to demonstrate an ability to communicate clearly and concisely using appropriate vocabulary. Technological literacy will be developed through 42 individual assignments. Students will write programs using a graphical programming interface like ~~Alice~~ and a standard programming approach using ~~Python~~ that result in printed or graphical outputs. A strong math aptitude is necessary

New Language:

(0352) COMPUTER PROGRAMMING 1A

Level: 2

Credit: 0.5

Offering: Fall to grades 9-12

Prerequisite: None

This course is designed to introduce skills that are used for computer programming. Students will be encouraged to effectively analyze and evaluate information to solve problems and will be required to demonstrate an ability to communicate clearly and concisely using appropriate vocabulary. Technological literacy will be developed through individual assignments. Students will write programs using a variety of graphical programming interfaces and learn standard object-oriented programming techniques.

ADVANCED PROGRAMS FOR COLLEGE CREDITS

This is the annual update to the aligned at each institution for college credit, they are newly approved or pending.

University of Connecticut's Early College Year Experience

Bacon Academy Course Name/Number	UCONN Course Name/Number
ECE English Literature and Composition (0175)	Seminar in Academic Writing and Multimodal Composition (ENGL 1007)
AP® Environmental Science (0470)	Environmental Science (NRE 1000)
Music Fundamentals (0872) or AP Music Theory (0858)	Fundamentals & Ear Training 1 (MUSI 1011)
Lifespan Development (0835)	Individual & Family Development (HDFS 1070)
Marine Science (0453)	Introduction to Oceanography (MARN1002E)
AP Physics 1 (0451) {Pending Approval}	General Physics 1 (PHYS 1201Q)
AP Physics 2 (0458) {Pending Approval}	General Physics 2 (PHYS 1202Q)

Bacon Academy Course Name/Number	UCONN Course Name/Number
ECE English Literature and Composition (0175)	Seminar in Academic Writing and Multimodal Composition (ENGL 1007)
AP® Environmental Science (0470)	Environmental Science (NRE 1000)
Music Fundamentals (0872) or AP Music Theory (0858)	Fundamentals & Ear Training 1 (MUSI 1011)
Lifespan Development (0835)	Individual & Family Development (HDFS 1070)
Marine Science (0453)	Introduction to Oceanography (MARN1002E)
AP Physics 1 (0451) {Pending Approval}	General Physics 1 (PHYS 1201Q)
Sociology (0244) {Pending Approval}	Introduction to Sociology (SOCI 1001)

Eastern Connecticut State University Dual Enrollment Program (ECSU-DEP)

Bacon Academy Course Name/Number	ECSU- DEP Course
Human Anatomy/Physiology (0454/0474)	Human Biology Lecture & Lab (BIO 202/BIO 203)
Spanish 4 (0542)	Introductory Spanish 1 & 2 (SPA 110/111)
Advanced Spanish Language (0554)	Advanced Spanish 1 & 2 (SPA 210/211)
Environmental Science (0468)	Ecology and the Environment (BIO 200)
AP® Physics 1 (0451) - *Pending Approval*	General Physics 1 with lab and General Physics 2 with lab (PHY 204/205)
AP® Calculus AB (0353) or AP® Calculus BC (0354)	Calculus 1 & 2 with Technology (MAT 243/244)
AP® Studio Art and Design (0899)	Studio Art Introduction (ART 100)
Public Speaking (0150)	Public Speaking (COM 230)
Advanced Ceramics (0897) {Pending Approval}	Ceramics (ART 217)
Drawing 1 (0882)	Drawing 1 (ART 202)
Advanced Drawing (0886)	Intermediate Drawing (ART 352)
AP Chemistry (0437)	General Chemistry 1 (CHE 210/212 & CHE 212/213)
Painting 1 (0542)	Painting 1 (ART 215)

University of Bridgeport Dual Enrollment - Early College Credit Program (UB ECCP) hb

Bacon Academy Course Name/Number	University of Bridgeport Course Name/Number
Accounting 1 (0628)	Principles of Accounting 1 (ACCT 101)
Business Law (0621)	Business Law-1 (BLAW 251)
Pre-Calculus (0343)	Precalculus Math (MATH 109)

We continue to expand our course offerings:

Virtual High School (VHS)

Bacon Academy students have the opportunity to enroll in online courses through VHS. Courses currently approved include:

American Sign Language 1

Business Math

Music Listening and Critique
Personal Finance (Flex)
Preparing for College
Video Game Design
Web Development
Essential Math for College and Careers